

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Haixiang Liang

Title: CATEGORIZATION OF IMPAIRMENTS AFFECTING A
COMMUNICATION CHANNEL

Application No.: 09/627,572 Filed: July 28, 2000

Examiner: Fan, Chieh M. Group Art Unit: 2634

Atty. Docket No.: 1005-0017 Confirmation No.: 2338

January 6, 2005

Mail Stop Amendment
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
37 C.F.R. § 1.97(c)

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings to the Examiner's attention in the above-identified application the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A (1 page(s), with copies of no reference(s)).
- ☐ Form(s) PTO/SB/08B (N/A page(s), with copy of no reference(s)).
- ☐ Listing of Pending Applications (N/A page(s), with copy of no application(s)).
- ☐ Other: N/A

Citation of such information shall not be construed as (i) an admission that the information necessarily is, or corresponds to, prior art with respect to the instant invention, (ii) a representation that a search has been made, other than as described herein, or (iii) an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance through (i) an English language abstract, (ii) an English language equivalent application, or (iii) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

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CERTAIN COPIES NOT INCLUDED

Pursuant to operative regulations, certain copies need not be provided and corresponding information is identified in this Information Disclosure Statement by citation only. In particular,

- ☒ In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of cited U.S. Patents and U.S. Patent Application Publications are not included.
- ☐ Certain information was submitted to, or cited by, the Office in Application No(s). N/A, filed N/A, to which the above-identified application claims priority under 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), copies of that information are not included.
- ☐ Pursuant to 1287 OG 163 (October 19, 2004), for those cited pending U.S. patent applications filed (or which entered the national stage under 35 U.S.C. § 371) on or after June 30, 2003 or which are otherwise stored in the USPTO's Image File Wrapper system, copies are not included.

FEE AUTHORIZATION

The undersigned believes that this Information Disclosure Statement is being filed before the mailing date of (i) a final action under § 1.113, (ii) a notice of allowance under § 1.311 or (iii) an action that otherwise closes prosecution. Accordingly, this Information Disclosure Statement is accompanied by the fee set forth in § 1.17(p) as follows:

- ☒ A check in the amount of \$180.00 is enclosed herewith.
- ☐ The undersigned hereby authorizes the Commissioner to charge the fee set forth in § 1.17(p) to Deposit Account No. n/a.

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Nicole Teitler Cave
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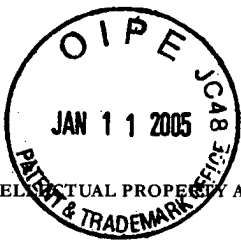
1/6/05
Date

Respectfully submitted,

Nicole Teitler Cave

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January 6, 2005

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Filed: July 28, 2000
Group Art Unit: 2634
Conf. No.: 2338

Dear Sir:

Transmitted herewith are the following document(s) in the above-identified application:

- (1) Response to Non-Final Office Action (15 page(s))
- (2) Copy of Information Disclosure Statement dated November 7, 2000 (1 page(s)) with courtesy copies of 2 references
- (3) Copy of Form 1449 dated November 7, 2000 (1 page(s))
- (4) Copy of return postcard received by USPTO dated November 13, 2000 (1 page(s))
- (5) Information Disclosure Statement (2 pages) and Form PTO/SB/08A (1 page(s)) and copies of no references
- (6) Check in the amount of \$180.00
- (7) This Transmittal Letter (2 page(s)) and Return Postcard

Fees:

Information Disclosure Statement	\$180.00
n/a	\$0.00
TOTAL FEE:	\$ 180.00

- ☒ A check is enclosed for the Total Fee shown above.
- ☐ Please charge the Total Fee shown above to Deposit Account 50-0631.
- ☐ Please charge the Total Fee shown above to credit card (Form PTO-2038 enclosed).
- ☒ The Commissioner is hereby authorized to charge any deficiency in fees and any additional fees under 37 C.F.R. § 1.16 or 1.17 that may be required during the pendency of this application or by the papers submitted herewith, and to similarly credit any overpayment, to Deposit Account 50-0631.

Commissioner for Patents
January 6, 2005
RE: 09/627,572
Page 2 of 2

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Nicole Teitler Cave

1/6/05
Date

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Respectfully submitted,



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PTO/SB/08A (Substitute for form 1449/PTO)		Attorney Docket No.: 1005-0017	
		Application No.: 09/627,572	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		First Named Inventor: Haixiang Liang	
		Filing Date: July 28, 2000	
		Group Art Unit: 2634	
		Examiner Name: Chieh M. Fan	
		Date Submitted: January 6, 2005	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,852,630	12-22-1998	Langberg et al.	
		US-5,864,545	01-26-1999	Gonikberg et al.	
		US-6,272,171 B1	08-07-2001	Okunev et al.	
		US-6,301,296 B1	10-09-2001	Krishnan et al.	
		US-6,332,009 B2	12-18-2001	Olafsson	
		US-6,512,787 B1	01-28-2003	Tung et al.	
		US-6,661,847 B1	12-09-2003	Davis et al.	
		US-6,721,279 B1	04-13-2004	Zhang et al.	
		US-6,721,363 B1	04-13-2004	Qiu et al.	
		US-6,724,814 B1	04-20-2004	Green et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).

² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.